ELSEVIER

Gait and Posture 20 (2004) 310–312

GAIT POSTURE

www.elsevier.com/locate/gaitpost

Author index

Volume 20 (2004)

Allen, R., see Stefano, A.D. **20**, 92
Aminian, K., C. Trevisan, B. Najafi, H. Dejnabadi, C. Frigo, E. Pavan, A. Telonio, F. Cerati, E.C. Marinoni, Ph. Robert, P.-F. Leyvraz, Evaluation of an ambulatory system for gait analysis in hip osteoarthritis and after total hip replacement **20**, 102
Aminian, K., see Paraschiv-Ionescu, A. **20**, 113
André, J.-M., see Beyaert, C. **20**, 84

Bar-Haim, S., M. Belokopytov, N. Harries, A. Frank, A stair-climbing test for ambulatory assessment of children with cerebral palsy **20**, 183
Barr, K.M., see Goodman, M.J. **20**, 238
Barrett, R.S., see Kavanagh, J.J. **20**, 291
Basford, J.R., see Chou, L.-S. **20**, 245
Bateni, H., E. Heung, J. Zettel, W.E. McIlroy, B.E. Maki, Can use of walkers or canes impede lateral compensatory stepping movements? **20**, 74
Behrens, S., see Eils, E. **20**, 54
Belokopytov, M., see Bar-Haim, S. **20**, 183
Beyaert, C., F. Sirveaux, J. Paysant, D. Molé, J.-M. André, The effect of tibio-talar arthrodesis on foot kinematics and ground reaction force progression during walking **20**, 84
Bishop, M., D. Brunt, N. Pathare, B. Patel, The effect of velocity on the strategies used during gait termination **20**, 134
Bourriez, J.L., see Duhamel, A. **20**, 204
Brehm, M.-A., J. Harlaar, H. Groepenhof, Validation of the portable VmaxST system for oxygen-uptake measurement **20**, 67
Brey, R.H., see Chou, L.-S. **20**, 245
Brunt, D., see Bishop, M. **20**, 134
Buchser, E.E., see Paraschiv-Ionescu, A. **20**, 113
Buczek, F.L., see Hamel, A.J. **20**, 147
Burridge, J.H., see Stefano, A.D. **20**, 92
Buurke, J.H., H.J. Hermens, D. Roetenberg, J. Harlaar, D. Rosenbaum, R.F.M. Kleissen, Influence of hamstring lengthening on muscle activation timing **20**, 48
Byrne, C., see Nene, A. **20**, 1

Cerati, F., see Aminian, K. **20**, 102
Chang, W.-N., A.I. Tsirikos, F. Miller, J. Schuyler, J. Glutting, Impact of changing foot progression angle on foot pressure measurement in children with neuromuscular diseases **20**, 14
Charlton, I.W., P. Tate, P. Smyth, L. Roren, Repeatability of an optimised lower body model **20**, 213
Chou, L.-S., K.R. Kaufman, A.E. Walker-Rabatin, R.H. Brey, J.R. Basford, Dynamic instability during obstacle crossing following traumatic brain injury **20**, 245
Cresswell, A.G., see Hodges, P.W. **20**, 163
Curns, A.T., see Kressig, R.W. **20**, 30

Danion, F., Reply to J.M. Hausdorff **20**, 305
Defebvre, L., see Duhamel, A. **20**, 204
Dejnabadi, H., see Aminian, K. **20**, 102
Derambure, P., see Duhamel, A. **20**, 204
Destée, A., see Duhamel, A. **20**, 204
Detrembleur, C., see Dierick, F. **20**, 299
Devos, P., see Duhamel, A. **20**, 204
Dickstein, R., Y. Laufer, Light touch and center of mass stability during treadmill locomotion **20**, 41
Dierick, F., M. Penta, D. Renaut, C. Detrembleur, A force measuring treadmill in clinical gait analysis **20**, 299
Duhamel, A., J.L. Bourriez, P. Devos, P. Krystkowiak, A. Destée, P. Derambure, L. Defebvre, Statistical tools for clinical gait analysis **20**, 204
Durham, S., see Ghoussayni, S. **20**, 266

Eils, E., S. Behrens, O. Mers, L. Thorwesten, K. Völker, D. Rosenbaum, Reduced plantar sensation causes a cautious walking pattern **20**, 54
Eng, J.J., see Kim, C.M. **20**, 140
Eve, L.C., see McNee, A.E. **20**, 171
Ewins, D., see Ghoussayni, S. **20**, 266

Frank, A., see Bar-Haim, S. **20**, 183
Frank, J.S., see Prentice, S.D. **20**, 255
Frigo, C., see Aminian, K. **20**, 102
Fry, N.R., M. Gough, A.P. Shortland, Three-dimensional realisation of muscle morphology and architecture using ultrasound **20**, 177

Galicki, M., see Zwick, E.B. **20**, 273
Ghoussayni, S., C. Stevens, S. Durham, D. Ewins, Assessment and validation of a simple automated method for the detection of gait events and intervals **20**, 266
Glutting, J., see Chang, W.-N. **20**, 14
Goodman, M.J., J.L. Menown, J.M. West, K.M. Barr, D.W. Vander Linden, M.L. McMulkin, Secondary gait compensations in individuals without neuromuscular involvement following a unilateral imposed equinus constraint **20**, 238
Gough, M., see Fry, N.R. **20**, 177
Gough, M., see McNee, A.E. **20**, 171
Grabiner, M.D., see Owings, T.M. **20**, 26
Gregor, R.J., see Kressig, R.W. **20**, 30
Groepenhof, H., see Brehm, M.-A. **20**, 67
Groves, J.J., see Prentice, S.D. **20**, 255

Hamel, A.J., N.A. Sharkey, F.L. Buczek, J. Michelson, Relative motions of the tibia, talus, and calcaneus during the stance phase of gait: a cadaver study **20**, 147
Harlaar, J., see Brehm, M.-A. **20**, 67
Harlaar, J., see Buurke, J.H. **20**, 48
Harries, N., see Bar-Haim, S. **20**, 183
Hasler, E.N., see Prentice, S.D. **20**, 255
Hausdorff, J.M., Stride variability: beyond length and frequency **20**, 304
Hermens, H., see Nene, A. **20**, 1
Hermens, H.J., see Buurke, J.H. **20**, 48
Heung, E., see Bateni, H. **20**, 74
Hodges, P.W., A.G. Cresswell, A. Thorstensson, Intra-abdominal pressure response to multidirectional support-surface translation **20**, 163

doi:10.1016/S0966-6362(04)00199-7

ELSEVIER

Gait and Posture 20 (2004) 310–312

GAIT POSTURE

www.elsevier.com/locate/gaitpost

Author index

Volume 20 (2004)

Allen, R., see Stefano, A.D. **20**, 92
Aminian, K., C. Trevisan, B. Najafi, H. Dejnabadi, C. Frigo, E. Pavan, A. Telonio, F. Cerati, E.C. Marinoni, Ph. Robert, P.-F. Leyvraz, Evaluation of an ambulatory system for gait analysis in hip osteoarthritis and after total hip replacement **20**, 102
Aminian, K., see Paraschiv-Ionescu, A. **20**, 113
André, J.-M., see Beyaert, C. **20**, 84

Bar-Haim, S., M. Belokopytov, N. Harries, A. Frank, A stair-climbing test for ambulatory assessment of children with cerebral palsy **20**, 183
Barr, K.M., see Goodman, M.J. **20**, 238
Barrett, R.S., see Kavanagh, J.J. **20**, 291
Basford, J.R., see Chou, L.-S. **20**, 245
Bateni, H., E. Heung, J. Zettel, W.E. McIlroy, B.E. Maki, Can use of walkers or canes impede lateral compensatory stepping movements? **20**, 74
Behrens, S., see Eils, E. **20**, 54
Belokopytov, M., see Bar-Haim, S. **20**, 183
Beyaert, C., F. Sirveaux, J. Paysant, D. Molé, J.-M. André, The effect of tibio-talar arthrodesis on foot kinematics and ground reaction force progression during walking **20**, 84
Bishop, M., D. Brunt, N. Pathare, B. Patel, The effect of velocity on the strategies used during gait termination **20**, 134
Bourriez, J.L., see Duhamel, A. **20**, 204
Brehm, M.-A., J. Harlaar, H. Groepenhof, Validation of the portable VmaxST system for oxygen-uptake measurement **20**, 67
Brey, R.H., see Chou, L.-S. **20**, 245
Brunt, D., see Bishop, M. **20**, 134
Buchser, E.E., see Paraschiv-Ionescu, A. **20**, 113
Buczek, F.L., see Hamel, A.J. **20**, 147
Burridge, J.H., see Stefano, A.D. **20**, 92
Buurke, J.H., H.J. Hermens, D. Roetenberg, J. Harlaar, D. Rosenbaum, R.F.M. Kleissen, Influence of hamstring lengthening on muscle activation timing **20**, 48
Byrne, C., see Nene, A. **20**, 1

Cerati, F., see Aminian, K. **20**, 102
Chang, W.-N., A.I. Tsirikos, F. Miller, J. Schuyler, J. Glutting, Impact of changing foot progression angle on foot pressure measurement in children with neuromuscular diseases **20**, 14
Charlton, I.W., P. Tate, P. Smyth, L. Roren, Repeatability of an optimised lower body model **20**, 213
Chou, L.-S., K.R. Kaufman, A.E. Walker-Rabatin, R.H. Brey, J.R. Basford, Dynamic instability during obstacle crossing following traumatic brain injury **20**, 245
Cresswell, A.G., see Hodges, P.W. **20**, 163
Curns, A.T., see Kressig, R.W. **20**, 30

Danion, F., Reply to J.M. Hausdorff **20**, 305
Defebvre, L., see Duhamel, A. **20**, 204
Dejnabadi, H., see Aminian, K. **20**, 102
Derambure, P., see Duhamel, A. **20**, 204
Destée, A., see Duhamel, A. **20**, 204
Detrembleur, C., see Dierick, F. **20**, 299
Devos, P., see Duhamel, A. **20**, 204
Dickstein, R., Y. Laufer, Light touch and center of mass stability during treadmill locomotion **20**, 41
Dierick, F., M. Penta, D. Renaut, C. Detrembleur, A force measuring treadmill in clinical gait analysis **20**, 299
Duhamel, A., J.L. Bourriez, P. Devos, P. Krystkowiak, A. Destée, P. Derambure, L. Defebvre, Statistical tools for clinical gait analysis **20**, 204
Durham, S., see Ghoussayni, S. **20**, 266

Eils, E., S. Behrens, O. Mers, L. Thorwesten, K. Völker, D. Rosenbaum, Reduced plantar sensation causes a cautious walking pattern **20**, 54
Eng, J.J., see Kim, C.M. **20**, 140
Eve, L.C., see McNee, A.E. **20**, 171
Ewins, D., see Ghoussayni, S. **20**, 266

Frank, A., see Bar-Haim, S. **20**, 183
Frank, J.S., see Prentice, S.D. **20**, 255
Frigo, C., see Aminian, K. **20**, 102
Fry, N.R., M. Gough, A.P. Shortland, Three-dimensional realisation of muscle morphology and architecture using ultrasound **20**, 177

Galicki, M., see Zwick, E.B. **20**, 273
Ghoussayni, S., C. Stevens, S. Durham, D. Ewins, Assessment and validation of a simple automated method for the detection of gait events and intervals **20**, 266
Glutting, J., see Chang, W.-N. **20**, 14
Goodman, M.J., J.L. Menown, J.M. West, K.M. Barr, D.W. Vander Linden, M.L. McMulkin, Secondary gait compensations in individuals without neuromuscular involvement following a unilateral imposed equinus constraint **20**, 238
Gough, M., see Fry, N.R. **20**, 177
Gough, M., see McNee, A.E. **20**, 171
Grabiner, M.D., see Owings, T.M. **20**, 26
Gregor, R.J., see Kressig, R.W. **20**, 30
Groepenhof, H., see Brehm, M.-A. **20**, 67
Groves, J.J., see Prentice, S.D. **20**, 255

Hamel, A.J., N.A. Sharkey, F.L. Buczek, J. Michelson, Relative motions of the tibia, talus, and calcaneus during the stance phase of gait: a cadaver study **20**, 147
Harlaar, J., see Brehm, M.-A. **20**, 67
Harlaar, J., see Buurke, J.H. **20**, 48
Harries, N., see Bar-Haim, S. **20**, 183
Hasler, E.N., see Prentice, S.D. **20**, 255
Hausdorff, J.M., Stride variability: beyond length and frequency **20**, 304
Hermens, H., see Nene, A. **20**, 1
Hermens, H.J., see Buurke, J.H. **20**, 48
Heung, E., see Bateni, H. **20**, 74
Hodges, P.W., A.G. Cresswell, A. Thorstensson, Intra-abdominal pressure response to multidirectional support-surface translation **20**, 163

doi:10.1016/S0966-6362(04)00199-7

Hodges, P.W., see Saunders, S.W. **20**, 280

Jonkers, I., see Stewart, C. **20**, 61

Karst, G.M., see Tyler, A.E. **20**, 126
Kato, T., K. Miyamoto, K. Shimizu, Postural reaction during maximum grasping maneuvers using a hand dynamometer in healthy subjects **20**, 189
Kaufman, K.R., see Chou, L.-S. **20**, 245
Kavanagh, J.J., R.S. Barrett, S. Morrison, Upper body accelerations during walking in healthy young and elderly men **20**, 291
Keenan, A.-M., see Taylor, A.J. **20**, 232
Kim, C.M., J.J. Eng, Magnitude and pattern of 3D kinematic and kinetic gait profiles in persons with stroke: relationship to walking speed **20**, 140
Kleissen, R.F.M., see Buurke, J.H. **20**, 48
Kressig, R.W., R.J. Gregor, A. Oliver, D. Waddell, W. Smith, M. O'Grady, A.T. Curns, M. Kutner, S.L. Wolf, Temporal and spatial features of gait in older adults transitioning to frailty **20**, 30
Krystkowiak, P., see Duhamel, A. **20**, 204
Kutner, M., see Kressig, R.W. **20**, 30

Latt, M.D., see Menz, H.B. **20**, 20
Laufer, Y., see Dickstein, R. **20**, 41
Leistritz, L., see Zwick, E.B. **20**, 273
Leyvraz, P.-F., see Aminian, K. **20**, 102
Lord, S.R., see Menz, H.B. **20**, 20

Maki, B.E., see Bateni, H. **20**, 74
Manal, K., S.J. Stanhope, A novel method for displaying gait and clinical movement analysis data **20**, 222
Marinoni, E.C., see Aminian, K. **20**, 102
McIlroy, W.E., see Bateni, H. **20**, 74
McMulkin, M.L., see Goodman, M.J. **20**, 238
McNee, A.E., A.P. Shortland, L.C. Eve, R.O. Robinson, M. Gough, Lower limb extensor moments in children with spastic diplegic cerebral palsy **20**, 171
Menown, J.L., see Goodman, M.J. **20**, 238
Menz, H.B., M.D. Latt, A. Tiedemann, M. Mun San Kwan, S.R. Lord, Reliability of the GAITRite® walkway system for the quantification of temporo-spatial parameters of gait in young and older people **20**, 20
Menz, H.B., see Taylor, A.J. **20**, 232
Mers, O., see Eils, E. **20**, 54
Michelson, J., see Hamel, A.J. **20**, 147
Milleit, B., see Zwick, E.B. **20**, 273
Miller, F., J. Robb, Editorial for Gait and Posture **20**, 231
Miller, F., see Chang, W.-N. **20**, 14
Miyamoto, K., see Kato, T. **20**, 189
Molé, D., see Beyaert, C. **20**, 84
Morioka, S., F. Yagi, Influence of perceptual learning on standing posture balance: repeated training for hardness discrimination of foot sole **20**, 36
Morrison, S., see Kavanagh, J.J. **20**, 291
Mun San Kwan, M., see Menz, H.B. **20**, 20

Najafi, B., see Aminian, K. **20**, 102
Najafi, B., see Paraschiv-Ionescu, A. **20**, 113
Nene, A., C. Byrne, H. Hermens, Is rectus femoris really a part of quadriceps?. Assessment of rectus femoris function during gait in able-bodied adults **20**, 1

O'Grady, M., see Kressig, R.W. **20**, 30
Oliver, A., see Kressig, R.W. **20**, 30
Owings, T.M., M.D. Grabiner, Variability of step kinematics in young and older adults **20**, 26

Pai, Y.-C., see Pavol, M.J. **20**, 154
Paraschiv-Ionescu, A., E.E. Buchser, B. Rutschmann, B. Najafi, K. Aminian, Ambulatory system for the quantitative and qualitative analysis of gait and posture in chronic pain patients treated with spinal cord stimulation **20**, 113
Patel, B., see Bishop, M. **20**, 134
Pathare, N., see Bishop, M. **20**, 134
Pavan, E., see Aminian, K. **20**, 102
Pavol, M.J., E.F. Runtz, Y.-C. Pai, Diminished stepping responses lead to a fall following a novel slip induced during a sit-to-stand **20**, 154
Paysant, J., see Beyaert, C. **20**, 84
Penta, M., see Dierick, F. **20**, 299
Prentice, S.D., E.N. Hasler, J.J. Groves, J.S. Frank, Locomotor adaptations for changes in the slope of the walking surface **20**, 255

Rath, D., see Saunders, S.W. **20**, 280
Renaut, D., see Dierick, F. **20**, 299
Robb, J., see Miller, F. **20**, 231
Robert, Ph., see Aminian, K. **20**, 102
Roberts, A., see Stewart, C. **20**, 61
Robinson, R.O., see McNee, A.E. **20**, 171
Roetenberg, D., see Buurke, J.H. **20**, 48
Roren, L., see Charlton, I.W. **20**, 213
Rosenbaum, D., see Buurke, J.H. **20**, 48
Rosenbaum, D., see Eils, E. **20**, 54
Runtz, E.F., see Pavol, M.J. **20**, 154
Rutschmann, B., see Paraschiv-Ionescu, A. **20**, 113

Saraph, V., see Zwick, E.B. **20**, 273
Saunders, S.W., D. Rath, P.W. Hodges, Postural and respiratory activation of the trunk muscles changes with mode and speed of locomotion **20**, 280
Schuyler, J., see Chang, W.-N. **20**, 14
Schwartz, M.H., J.P. Trost, R.A. Wervey, Measurement and management of errors in quantitative gait data **20**, 196
Sharkey, N.A., see Hamel, A.J. **20**, 147
Shimizu, K., see Kato, T. **20**, 189
Shortland, A.P., see Fry, N.R. **20**, 177
Shortland, A.P., see McNee, A.E. **20**, 171
Sirveaux, F., see Beyaert, C. **20**, 84
Smith, W., see Kressig, R.W. **20**, 30
Smyth, P., see Charlton, I.W. **20**, 213
Stanhope, S.J., see Manal, K. **20**, 222
Stefano, A.D., J.H. Burridge, V.T. Yule, R. Allen, Effect of gait cycle selection on EMG analysis during walking in adults and children with gait pathology **20**, 92
Steinwender, G., see Zwick, E.B. **20**, 273
Stevens, C., see Ghoussayni, S. **20**, 266
Stewart, C., I. Jonkers, A. Roberts, Estimation of hamstring length at initial contact based on kinematic gait data **20**, 61

Tate, P., see Charlton, I.W. **20**, 213
Taylor, A.J., H.B. Menz, A.-M. Keenan, Effects of experimentally induced plantar insensitivity on forces and pressures under the foot during normal walking **20**, 232
Telonio, A., see Aminian, K. **20**, 102
Thorstensson, A., see Hodges, P.W. **20**, 163
Thorwesten, L., see Eils, E. **20**, 54
Tiedemann, A., see Menz, H.B. **20**, 20
Trevisan, C., see Aminian, K. **20**, 102
Trost, J.P., see Schwartz, M.H. **20**, 196
Tsirikos, A.I., see Chang, W.-N. **20**, 14
Tyler, A.E., G.M. Karst, Timing of muscle activity during reaching while standing: systematic changes with target distance **20**, 126

Vander Linden, D.W., see Goodman, M.J. **20**, 238
Völker, K., see Eils, E. **20**, 54

Waddell, D., see Kressig, R.W. **20**, 30
Walker-Rabatin, A.E., see Chou, L.-S. **20**, 245
Wervey, R.A., see Schwartz, M.H. **20**, 196

West, J.M., see Goodman, M.J. **20**, 238
Witte, H., see Zwick, E.B. **20**, 273
Wolf, S.L., see Kressig, R.W. **20**, 30

Yagi, F., see Morioka, S. **20**, 36
Yule, V.T., see Stefano, A.D. **20**, 92

Zettel, J., see Bateni, H. **20**, 74
Zwick, E.B., L. Leistritz, B. Milleit, V. Saraph, G. Zwick, M. Galicki, H. Witte, G. Steinwender, Classification of equinus in ambulatory children with cerebral palsy - discrimination between dynamic tightness and fixed contracture **20**, 273
Zwick, G., see Zwick, E.B. **20**, 273

ELSEVIER

Gait and Posture 20 (2004) 313–316

GAIT POSTURE

www.elsevier.com/locate/gaitpost

Subject index

Volume 20 (2004)

Accelerometry; Elderly gait; Dynamic stability **20**, 291

Ageing; Locomotion; Measurement **20**, 20

Ambulatory system; Gait analysis; Hip osteoarthritis; Gyroscope; Force plate **20**, 102

Ambulatory system; Gait and posture analysis; Kinematical sensors; Spinal cord stimulation **20**, 113

Antagonist; sEMG; Gait analysis; Cerebral palsy; Hamstring lengthening; Soft tissue surgery; Muscle coordination **20**, 48

Anticipatory postural adjustments; Postural control; Arm movements; Reaching; Electromyography **20**, 126

Arm movements; Postural control; Anticipatory postural adjustments; Reaching; Electromyography **20**, 126

Arthrodesis; Tibio-talar joint; Foot; Gait analysis; Ground reaction force **20**, 84

Assistive device; Cane; Postural balance; Stepping reaction; Walker **20**, 74

Biomechanics; Gait analysis; Speed; Cerebral vascular disorders **20**, 140

Biomechanics; Gait; Locomotion; Older adults; Variability **20**, 26

Biomechanics; Somatic sensation impairment; Gait analysis; Electromyography; Locomotion **20**, 54

Bootstrap prediction; Gait analysis; Reliability; Confidence band **20**, 204

Cane; Assistive device; Postural balance; Stepping reaction; Walker **20**, 74

Center of gravity; Grip force; Postural reaction; Neck flexion; Motion analysis **20**, 189

Center of mass; Light touch; Locomotion **20**, 41

Center of pressure; Traumatic brain injury; GCS **20**, 245

Cerebral palsy; Energy cost; Mechanical efficiency; Stair-climbing test **20**, 183

Cerebral palsy; Gait; Equinus; Classification; Dynamic neural network **20**, 273

Cerebral palsy; Musculoskeletal modelling; Hamstrings; Gait analysis **20**, 61

Cerebral palsy; sEMG; Gait analysis; Hamstring lengthening; Soft tissue surgery; Antagonist; Muscle coordination **20**, 48

Cerebral palsy; Three-dimensional ultrasound; Muscle morphology **20**, 177

Cerebral vascular disorders; Gait analysis; Biomechanics; Speed **20**, 140

Classification; Cerebral palsy; Gait; Equinus; Dynamic neural network **20**, 273

Clinical gait analysis; Quantitative gait data; Movement disorders **20**, 196

Color; Graph; Deviation; Communication **20**, 222

Communication; Color; Graph; Deviation **20**, 222

Compensations; Plantarflexion; Toe-walking; Hemiplegia; Gait **20**, 238

Confidence band; Gait analysis; Reliability; Bootstrap prediction **20**, 204

Derotation osteotomy; Foot pressure; Foot progression angle; Pedobarograph **20**, 14

Deviation; Color; Graph; Communication **20**, 222

Dynamic neural network; Cerebral palsy; Gait; Equinus; Classification **20**, 273

Dynamic stability; Elderly gait; Accelerometry **20**, 291

Elderly gait; Dynamic stability; Accelerometry **20**, 291

Electromyography (EMG); Footswitches; Gait cycle **20**, 92

Electromyography; Postural control; Anticipatory postural adjustments; Arm movements; Reaching **20**, 126

Electromyography; Somatic sensation impairment; Gait analysis; Locomotion; Biomechanics **20**, 54

EMG; Stopping; Kinetics **20**, 134

Energy cost of walking; Oxygen-uptake; Validation; VmaxST system; Net evaluation protocol **20**, 67

Energy cost; Cerebral palsy; Mechanical efficiency; Stair-climbing test **20**, 183

Equinus; Cerebral palsy; Gait; Classification; Dynamic neural network **20**, 273

doi:10.1016/S0966-6362(04)00200-0

Failed balance recovery; Slipping; Protective stepping; Limb collapse **20**, 154

Fine wire EMG; Rectus femoris; Quadriceps; Gait; SEMG **20**, 1

Foot and ankle; Kinematics; Stance phase; Walking **20**, 147

Foot pressure; Derotation osteotomy; Foot progression angle; Pedobarograph **20**, 14

Foot progression angle; Derotation osteotomy; Foot pressure; Pedobarograph **20**, 14

Foot sole; Perceptual learning; Standing posture balance; Hardness discrimination; Rehabilitation **20**, 36

Foot strike (FS); Trunk muscles; Rectus abdominis (RA) **20**, 280

Foot; Arthrodesis; Tibio-talar joint; Gait analysis; Ground reaction force **20**, 84

Footswitches; Electromyography (EMG); Gait cycle **20**, 92

Force plate; Gait analysis; Ambulatory system; Hip osteoarthritis; Gyroscope **20**, 102

Gait analysis; Ambulatory system; Hip osteoarthritis; Gyroscope; Force plate **20**, 102

Gait analysis; Arthrodesis; Tibio-talar joint; Foot; Ground reaction force **20**, 84

Gait analysis; Biomechanics; Speed; Cerebral vascular disorders **20**, 140

Gait analysis; Musculoskeletal modelling; Hamstrings; Cerebral palsy **20**, 61

Gait analysis; Neuropathy; Plantar pressure **20**, 232

Gait analysis; Reliability; Confidence band; Bootstrap prediction **20**, 204

Gait analysis; Repeatability; Optimisation; Inverse kinematics; Kalman filter **20**, 213

Gait analysis; sEMG; Cerebral palsy; Hamstring lengthening; Soft tissue surgery; Antagonist; Muscle coordination **20**, 48

Gait analysis; Somatic sensation impairment; Electromyography; Locomotion; Biomechanics **20**, 54

Gait analysis; Transitional frail older adults; Spatial and temporal parameters; Gait variability **20**, 30

Gait and posture analysis; Ambulatory system; Kinematical sensors; Spinal cord stimulation **20**, 113

Gait cycle; Electromyography (EMG); Footswitches **20**, 92

Gait modification; Ramp; Kinetics; Kinematics; Human; Locomotion **20**, 255

Gait variability; Gait analysis; Transitional frail older adults; Spatial and temporal parameters **20**, 30

Gait; Cerebral palsy; Equinus; Classification; Dynamic neural network **20**, 273

Gait; Ground reaction forces; Treadmill **20**, 299

Gait; Locomotion; Older adults; Biomechanics; Variability **20**, 26

Gait; Plantarflexion; Toe-walking; Compensations; Hemiplegia **20**, 238

Gait; Rectus femoris; Quadriceps; SEMG; Fine wire EMG **20**, 1

GCS; Traumatic brain injury; Center of pressure **20**, 245

Graph; Color; Deviation; Communication **20**, 222

Grip force; Center of gravity; Postural reaction; Neck flexion; Motion analysis **20**, 189

Ground reaction force; Arthrodesis; Tibio-talar joint; Foot; Gait analysis **20**, 84

Ground reaction forces; Treadmill; Gait **20**, 299

Gyroscope; Gait analysis; Ambulatory system; Hip osteoarthritis; Force plate **20**, 102

Hamstring lengthening; sEMG; Gait analysis; Cerebral palsy; Soft tissue surgery; Antagonist; Muscle coordination **20**, 48

Hamstrings; Musculoskeletal modelling; Cerebral palsy; Gait analysis **20**, 61

Hardness discrimination; Perceptual learning; Standing posture balance; Foot sole; Rehabilitation **20**, 36

Heel contact; Kinematic gait event detection; Temporal gait parameters; Toe off; Heel toe intervals **20**, 266

Heel toe intervals; Kinematic gait event detection; Temporal gait parameters; Heel contact; Toe off **20**, 266

Hemiplegia; Plantarflexion; Toe-walking; Compensations; Gait **20**, 238

Hip osteoarthritis; Gait analysis; Ambulatory system; Gyroscope; Force plate **20**, 102

Human; Ramp; Kinetics; Kinematics; Locomotion; Gait modification **20**, 255

Intra-abdominal pressure; Spinal stability; Postural control; Support-surface translation **20**, 163

Inverse kinematics; Gait analysis; Repeatability; Optimisation; Kalman filter **20**, 213

Kalman filter; Gait analysis; Repeatability; Optimisation; Inverse kinematics **20**, 213

Kinematic gait event detection; Temporal gait parameters; Heel contact; Toe off; Heel toe intervals **20**, 266

Kinematical sensors; Gait and posture analysis; Ambulatory system; Spinal cord stimulation **20**, 113

Kinematics; Foot and ankle; Stance phase; Walking **20**, 147

Kinematics; Ramp; Kinetics; Human; Locomotion; Gait modification **20**, 255

Kinetics; Ramp; Kinematics; Human; Locomotion; Gait modification **20**, 255

Kinetics; Stopping; EMG **20**, 134

Knee flexion; Spastic cerebral palsy; Support moment **20**, 171

Light touch; Center of mass; Locomotion **20**, 41

Limb collapse; Slipping; Failed balance recovery; Protective stepping **20**, 154

Locomotion; Ageing; Measurement **20**, 20

Locomotion; Gait; Older adults; Biomechanics; Variability **20**, 26

Locomotion; Light touch; Center of mass **20**, 41

Locomotion; Ramp; Kinetics; Kinematics; Human; Gait modification **20**, 255

Locomotion; Somatic sensation impairment; Gait analysis; Electromyography; Biomechanics **20**, 54

Measurement; Locomotion; Ageing **20**, 20

Mechanical efficiency; Cerebral palsy; Energy cost; Stair-climbing test **20**, 183

Motion analysis; Grip force; Center of gravity; Postural reaction; Neck flexion **20**, 189

Movement disorders; Quantitative gait data; Clinical gait analysis **20**, 196

Muscle coordination; sEMG; Gait analysis; Cerebral palsy; Hamstring lengthening; Soft tissue surgery; Antagonist **20**, 48

Muscle morphology; Three-dimensional ultrasound; Cerebral palsy **20**, 177

Musculoskeletal modelling; Hamstrings; Cerebral palsy; Gait analysis **20**, 61

Neck flexion; Grip force; Center of gravity; Postural reaction; Motion analysis **20**, 189

Net evaluation protocol; Oxygen-uptake; Energy cost of walking; Validation; VmaxST system **20**, 67

Neuropathy; Gait analysis; Plantar pressure **20**, 232

Older adults; Gait; Locomotion; Biomechanics; Variability **20**, 26

Optimisation; Gait analysis; Repeatability; Inverse kinematics; Kalman filter **20**, 213

Oxygen-uptake; Energy cost of walking; Validation; VmaxST system; Net evaluation protocol **20**, 67

Pedobarograph; Derotation osteotomy; Foot pressure; Foot progression angle **20**, 14

Perceptual learning; Standing posture balance; Hardness discrimination; Foot sole; Rehabilitation **20**, 36

Plantar pressure; Neuropathy; Gait analysis **20**, 232

Plantarflexion; Toe-walking; Compensations; Hemiplegia; Gait **20**, 238

Postural balance; Assistive device; Cane; Stepping reaction; Walker **20**, 74

Postural control; Anticipatory postural adjustments; Arm movements; Reaching; Electromyography **20**, 126

Postural control; Intra-abdominal pressure; Spinal stability; Support-surface translation **20**, 163

Postural reaction; Grip force; Center of gravity; Neck flexion; Motion analysis **20**, 189

Protective stepping; Slipping; Failed balance recovery; Limb collapse **20**, 154

Quadriceps; Rectus femoris; Gait; SEMG; Fine wire EMG **20**, 1

Quantitative gait data; Movement disorders; Clinical gait analysis **20**, 196

Ramp; Kinetics; Kinematics; Human; Locomotion; Gait modification **20**, 255

Reaching; Postural control; Anticipatory postural adjustments; Arm movements; Electromyography **20**, 126

Rectus abdominis (RA); Trunk muscles; Foot strike (FS) **20**, 280

Rectus femoris; Quadriceps; Gait; SEMG; Fine wire EMG **20**, 1

Rehabilitation; Perceptual learning; Standing posture balance; Hardness discrimination; Foot sole **20**, 36

Reliability; Gait analysis; Confidence band; Bootstrap prediction **20**, 204

Repeatability; Gait analysis; Optimisation; Inverse kinematics; Kalman filter **20**, 213

sEMG; Gait analysis; Cerebral palsy; Hamstring lengthening; Soft tissue surgery; Antagonist; Muscle coordination **20**, 48

SEMG; Rectus femoris; Quadriceps; Gait; Fine wire EMG **20**, 1

Slipping; Failed balance recovery; Protective stepping; Limb collapse **20**, 154

Soft tissue surgery; sEMG; Gait analysis; Cerebral palsy; Hamstring lengthening; Antagonist; Muscle coordination **20**, 48

Somatic sensation impairment; Gait analysis; Electromyography; Locomotion; Biomechanics **20**, 54

Spastic cerebral palsy; Knee flexion; Support moment **20**, 171

Spatial and temporal parameters; Gait analysis; Transitional frail older adults; Gait variability **20**, 30

Speed; Gait analysis; Biomechanics; Cerebral vascular disorders **20**, 140

Spinal cord stimulation; Gait and posture analysis; Ambulatory system; Kinematical sensors **20**, 113

Spinal stability; Intra-abdominal pressure; Postural control; Support-surface translation **20**, 163

Stair-climbing test; Cerebral palsy; Energy cost; Mechanical efficiency **20**, 183

Stance phase; Foot and ankle; Kinematics; Walking **20**, 147

Standing posture balance; Perceptual learning; Hardness discrimination; Foot sole; Rehabilitation **20**, 36

Stepping reaction; Assistive device; Cane; Postural balance; Walker **20**, 74

Stopping; Kinetics; EMG **20**, 134

Support moment; Spastic cerebral palsy; Knee flexion **20**, 171

Support-surface translation; Intra-abdominal pressure; Spinal stability; Postural control **20**, 163

Temporal gait parameters; Kinematic gait event detection; Heel contact; Toe off; Heel toe intervals **20**, 266

Three-dimensional ultrasound; Muscle morphology; Cerebral palsy **20**, 177

Tibio-talar joint; Arthrodesis; Foot; Gait analysis; Ground reaction force **20**, 84

Toe off; Kinematic gait event detection; Temporal gait parameters; Heel contact; Heel toe intervals **20**, 266

Toe-walking; Plantarflexion; Compensations; Hemiplegia; Gait **20**, 238

Transitional frail older adults; Gait analysis; Spatial and temporal parameters; Gait variability **20**, 30

Traumatic brain injury; Center of pressure; GCS **20**, 245

Treadmill; Ground reaction forces; Gait **20**, 299

Trunk muscles; Foot strike (FS); Rectus abdominis (RA) **20**, 280

Validation; Oxygen-uptake; Energy cost of walking; VmaxST system; Net evaluation protocol **20**, 67

Variability; Gait; Locomotion; Older adults; Biomechanics **20**, 26

VmaxST system; Oxygen-uptake; Energy cost of walking; Validation; Net evaluation protocol **20**, 67

Walker; Assistive device; Cane; Postural balance; Stepping reaction **20**, 74

Walking; Foot and ankle; Kinematics; Stance phase **20**, 147